

GENERAL PERMIT REISSUANCE TRACKING SHEET

Facility Name: Vulcan Construction Materials LP - Cashion Quarry County: Chesterfield
 Owner: Vulcan Construction Materials LP Permit #: VAG84 0162
 Permit Writer: ORC

	<u>Date</u>
Registration Statement Received (UPDATE CEDS)	3/25/14
Additional Information Requested	
Additional Information Received	
Fee Deposit Received	3/27/14
Registration Statement Considered Complete	3/25/14
Registration Statement to TMDL staff	6/5/14
All Applicable Information entered into CEDS	6/16/14
Application Information Added to General Permit Tracking Spreadsheet	6/16/14

Concurrences

Signature	<u>D. Cutler</u>				
Date	6/16/14				

MEMORANDUM

DEPARTMENT OF ENVIRONMENTAL QUALITY

VALLEY REGIONAL OFFICE

4411 Early Road - P.O. Box 3000

Harrisonburg, VA 22801

SUBJECT: Registration Statement Errata for VPDES Permit Nos. VAG840113, VAG840114, VAG840118, VAG840120, VAG840126, VAG840134, ~~VAG840135~~, VAG840137, VAG840152, VAG840156, VAG840162

TO: GP File

FROM: Olive Critzer

DATE: March 25, 2014

The following deficiencies were noted in the subject general permit registration statements:

All the facility names are to be prefaced with Vulcan Construction Materials *LP*

The above deficiency in the registration statement is considered to be insignificant in that it will not affect the reissuance of the general permit.



RECEIVED
DEPT. OF ENVIRONMENTAL QUALITY
MAR 25 2014

To: _____
FILE: _____

Ms. Olive B. Critzer
Valley Regional Office
Department of Environmental Quality
PO Box 3000
Harrisonburg, VA 22801

March 17, 2014

RE: Reissuance of Nonmetallic Mineral Mining General Permit No. VAG840162
Vulcan Construction Materials Company -- Cashion Quarry -- Chesterfield County

Dear Ms. Critzer,

Enclosed, please find the General Permit Registration form and appropriate attachments for the above referenced facility.

We propose no changes to the existing permitted facilities and desire only to obtain a reissuance on the General Permit under **inactive status**. Please provide DMR forms for the process water outfall 001, and the representative stormwater outfall 002, described in the following enclosures. **At this time, this site is not in operation, has no staff on site and does not discharge from disturbed/industrial areas; therefore, no sampling will be conducted for each DMR until operations resume at the site.** It should also be noted that all process water outfalls do not include discharges from vehicle washing activities or oil water separator discharges; therefore, petroleum hydrocarbon sampling should not be included on the DMR form for each process water outfall.

Thank you for your kind assistance in this matter. If you have any questions and/or comments, please contact Brian Parker of Cardno MM&A at (804) 441-8388 or myself at (804) 717-8374.

Sincerely,

Walter C. Beck III

Walter Beck
Environmental Engineer

Enclosures

**VPDES GENERAL PERMIT REGISTRATION STATEMENT
NONMETALLIC MINERAL MINING**

TO: _____
FILE: _____

1. **Facility Owner:** Vulcan Construction Materials, LP C/O Walter Beck
2. **Owner Mailing address:** Street or P.O. Box 5601 Iron Bridge Parkway, Suite 201
City or Town Chester State Virginia Zip Code 23831
3. **Owner Telephone #:** (804) 717-5770 4. **Owner Email:** BeckW@VMCMAIL.com
5. **Contact Name:** Walter Beck 6. **Contact Telephone #:** (804) 717-8374
7. **Contact Email:** BeckW@VMCMAIL.com
8. **Facility Name:** Cashion Quarry 9. **Facility Lat/Long (deg-min-sec):** 37-21-49 / 77-42-25
10. **Facility Address:** 9601 Coalboro Road (State Route 664) Chesterfield, Virginia 23838
(County, Street Number, City or Town, State, Zip)
11. **Description of mining activity (mineral mined):** _____
Extraction of granite and production of crushed stone products for the construction industry.
12. **Primary SIC code:** 1423 **Secondary SIC codes:** _____
13. **Does this mine currently have a VPDES permit?** Yes ☒ No ☐ (If yes, give permit number) VAG840162
14. **Discharge Information:** PLEASE SEE ATTACHED OUTFALL DESCRIPTIONS

OUTFALL NUMBER	OUTFALL TYPE (see note 1)	SOURCE OF DISCHARGE (see note 2)	RECEIVING STREAM AND WETLANDS	LATITUDE/ LONGITUDE (deg-min-sec)

Notes:

1. Outfall Type - list as (1) process wastewater, (2) storm water, or (3) process water commingled with storm water.
2. Source of Discharge (If the outfall has a combination of these sources, list all that apply): (1) mine pit dewatering, (2) storm water associated with industrial activity, (3) storm water not associated with industrial activity, (4) ground water infiltration, (5) wastewater from vehicle or equipment degreasing activities, (6) vehicle washing, (7) mined material washing, (8) return water from operations where mined material is dredged, (9) noncontact cooling water, (10) miscellaneous plant cleanup wastewater, (11) co-located facility discharges (identify the co-located facility), (12) emergency outfall for process water systems designed as "no discharge" or (13) other discharges not listed here (describe).

15. **Is the process water system designed to operate as "no discharge?"** Yes ☐ No ☒ (see instructions).
16. **Storm Water:**
- a. **Indicate which exclusively storm water outfalls (if any) will be representative outfalls that require a single Discharge Monitoring Report (DMR).** SEE ATTACHED OUTFALL LIST FOR REPRESENTATIVE OUTFALLS
- b. **For storm water outfalls which are to be represented by other outfall discharges, attach a description of the activities associated with those outfalls and explain why they are substantially the same as the representative outfall to be sampled.**
- c. **Does the storm water discharge from a storm water management structure (a series of large settling sedimentation basins).** Yes ☒ No ☐
- d. **Storm water pollution prevention plans (SWPPPs) do not need to be submitted with this registration. However, see requirements for development, updating and implementation in instructions below.**

17. If the facility discharges to the Chickahominy watershed above Walkers Dam, provide monitoring data to demonstrate compliance with 9VAC25-260-310 m (Chickahominy special standards) as per Part I B 14 of the 2014 VPDES Nonmetallic Mineral Mining General Permit (if not already submitted to the Department under a different VPDES permit in a DMR).

18. Description of wastewater treatment or reuse/recycle systems, or both:

Solids settling in the pit and/or sedimentation basins prior to discharge

19. List any chemicals added to water that could be discharged:

Callaway (4310, 4325, 4330, 4345, 4848, 4880, 3455L, 3477, 3458, 6280), Jayfloc 3475, Rockfloc (3742R, 3746R, 3719R), RockDust (100, 3330), Paschal PFR (C453, F444, F485, C258, P255, D252, D253), Sodium Hydroxide, Hydrated Lime, Sulfuric Acid (20% Baume), Hydrochloric Acid

20. Indicate any co-located facilities:

21. Is this facility a hazardous waste treatment, storage, or disposal facility? Yes ☐ No ☒

22. Attach to this registration statement a schematic drawing showing the sources of water used for production, the industrial operations contributing to or using water, and the conceptual design of the methods of treatment and disposal of wastewater and solids. Identify outfall numbers listed in item 14 above.

23. Attach to this registration statement an aerial photo or scale map which clearly shows the property boundaries, plant site, drainage areas associated with each outfall, locations of all mine pit dewatering, existing, significant sources of materials exposed to precipitation, storm water management structures (if any), storm water or process wastewater outfalls listed in item 14 above and the receiving streams.

24. Attach to this registration statement evidence that the operation to be covered by this general permit has a mining permit which has been approved by the Virginia Department of Mines, Minerals and Energy, Division of Mineral Mining (or associated waived program) under the provisions and requirements of Title 45.1 of the Code of Virginia. Mineral mines owned and operated by governmental bodies not subject to the provisions and requirements of Title 45.1 of the Code of Virginia are exempt from this requirement.

Mining Permit No.: 08279AB

25. Does the facility discharge storm water into a Municipal Separate Storm Sewer System (MS4)? Yes ☐ No ☒

If yes, provide name of the MS4 operator _____

26. Would you like your permit sent to you electronically? Yes ☐ No ☒

If yes, please list the email address to send it to: Prefer hard copy; If possible, also email to BeckW@VMCMAIL.com

Certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."

Signature: _____

Walter C. Beck III

Date: 3/17/2014

Print Name Walter C. Beck III

Title: Environmental Engineering

Required attachments:

1. Evidence of approved mining permit
2. Water use schematic drawing
3. Aerial photo or map

FOR DEPARTMENT USE ONLY:

Accepted/Not Accepted by: Brenda Ricks

Date: 6/26/14

Basin James River

Stream Class III

Section 5C

Special Standards PWS, NGW-2

TMDL Compliance Yes

Vulcan Construction Materials Company, LP
Cashion Quarry
Description of Outfalls

Outfall Number	Latitude/Longitude	Type of Discharge
902-001 *	37° 21' 49" N / 77° 42' 25" W	Mine dewatering and/or discharges of process wastewater and commingled stormwater.
902-002 **	37° 21' 42" N / 77° 42' 37" W	Stormwater associated with industrial activities, which is not commingled with process wastewater. This sample location is representative of discharges from yard and material stockpile areas.

* This facility is currently inactive. Any discharge of process wastewater (pit dewatering) and/or commingled stormwater which may occur would be discharged at outfall 902 - 001.

** Facility is currently inactive. Stormwater sediment basin(s) and discharge outfall 902 - 002 shown on enclosed drawings are proposed for future construction.

Receiving Streams: Unnamed tributary of Winterpock Creek



COMMONWEALTH of VIRGINIA

O. GENE DISHNER
DIRECTOR

BENNY R. WAMPLER
DEPUTY DIRECTOR

Department of Mines, Minerals and Energy

Division of Mineral Mining

P.O. Box 3727

Charlottesville, Virginia 22903-0727

(434) 951-6310

Conrad T. Spangler III, Division Director

DIVISIONS
ENERGY
GAS AND OIL
MINED LAND RECLAMATION
MINERAL MINING
MINERAL RESOURCES
MINES
ADMINISTRATION

PERMIT/LICENSE TO OPERATE A MINE

Permit/License No. 08279AB

Was issued to VULCAN CONSTRUCTION MATERIALS LP - CASHION QU
Whose main office is located at (MIDEAST DIVISION)
CHESTER, VA 23831

For type of mineral(s) GRANITE
Mine Type QUARRY Exemption Type N/A
Located at ON RT 644 NEAR WINTERPOCK
County of CHESTERFIELD

THIS PERMIT IS ISSUED PURSUANT TO CHAPTER 14.1 AND 16, TITLE 45.1, CODE OF VIRGINIA(1950), AS AMENDED Being an Act to require permits/licenses for certain mining operations and to fix conditions for issuance thereof; to provide that certain safety and reclamation practices be performed by mine operators and for inspection thereof; and to advise on satisfactory compliance; to require an annual report on progress of reclamation and tonnage of mineral mined; to provide for the Director to seek injunctive relief; to provide for a Board of Surface Mining Review, a Board of Mineral Mine Examiners, and to provide for appeals from rulings, violations and decisions of the Department or associated Boards.

Issued AUGUST 05 2004
Covering 220.78 ACRES.
Receipt number 26202

THIS PERMIT/LICENSE MUST BE POSTED NEAR THE MINE OFFICE

CREEK

WINTERPOCK

UNNAMED

TRIBUTARY

OUTFALL
902-002

STORMWATER
SEDIMENT POND

700 GPM

MAKE-UP
WATER AS
NEEDED

OUTFALL
902-001

MAX. DISCH. 1.44 MGD

WASH
PLANT

PLANT
AREA

800 GPM

SETTLING PONDS
(CLOSED LOOP - NO DISCHARGE)

PIT
SUMP

LEGEND:

WATER
FLOW

PUMP ○

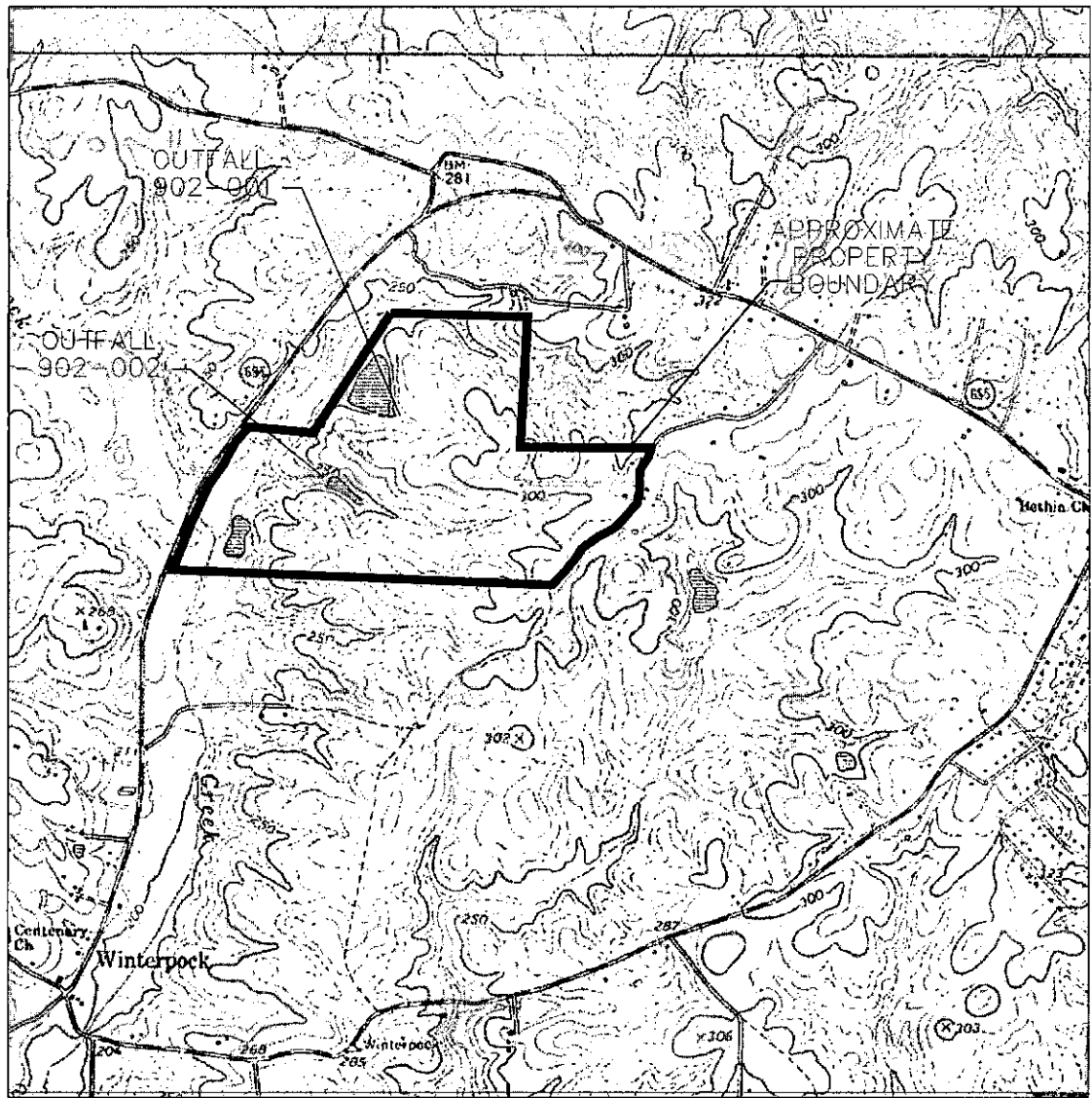
DRAWING NOT TO SCALE

Prepared by:



WATER USE SCHEMATIC
CASHION QUARRY
WINTERPOCK, VA
REVISED: MAY 2009

Vulcan
Materials Company



U.S.G.S. 7.5 MINUTE SERIES QUADRANGLES
 WINTERPOCK (1966, PHOTOREVISED 1984, PHOTOINSPECTED 1988)
 AND HALLSBORO (1963, PHOTOREVISED 1987)
 SCALE: 1" = 2000'

Prepared by:



OUTFALL LOCATION
 CASHION QUARRY
 WINTERPOCK, VIRGINIA
 REVISED: MAY 2009

Vulcan
 Construction Materials

SUBJECT: Reissuance of VPDES Permit No.VAG840162, Vulcan Construction Materials LP-Cashion Quarry

TO: Jennifer Palmore

FROM: Olive Critzer *Olive*

DATE: June 5, 2014

Receiving Stream: Winterpock Creek UT
 Waterbody ID: VAP-J12R
 Latitude/Longitude: 37 21 49N / 77 42 25W
 Location: 9601 Coalboro Road, Chesterfield

Based on the outfall location identified on the attached topographic map and based on the information above, please provide me with the following:

- Does the facility discharge to an impaired water or to an unnamed, unimpaired tributary of an impaired water for which a TMDL waste load allocation has not been established by the board and approved by EPA? **N**

If Yes, give the name of the impaired water: _____;

Impairment	Pollutant causing the impairment
	Y / N
	Y / N
	Y / N

- Does any approved TMDL impose limits on discharges from this facility? **Y**

If Yes:

TMDL Pollutant	Does the facility discharge the TMDL pollutant?
Chesapeake Bay TMDL – TN, TP, and TSS	Y
Appomattox River Basin Bacterial TMDL – E. coli – not addressed	N
	Y / N

Check if applicable:

- ☐ This facility was not included in the TMDL; however, the addition of this point source is not expected to cause water quality violations because it represents an insignificant load (less than 1%) compared to the TMDL.
- ☐ This facility was included in the Sediment TMDL for _____

(stream name)

and was given an allocation based on a TSS concentration of _____ mg/L.